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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andrew D. MURDIN et al.

Title: CHLAMYDIA ANTIGENS AND CORRESPONDING DNA FRAGMENTS AND
USES THEREOF

Appl. No.: To be assigned

Filing Date: April 3, 2001

Examiner: To be assigned

Art Unit: To be assigned

UTILITY PATENT APPLICATION
TRANSMITTAL

Commissioner for Patents
Box PATENT APPLICATION
Washington, D.C. 20231

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is the nonprovisional utility
patent application of:

Andrew D. Murdin
Raymond P. Oomen
Joe Wang
Pamela Dunn

Enclosed are:

[X] Specification, Claim(s), and Abstract (67 pages).

[X] Informal drawings (11 sheets, Figures 1-4).

[X] Unexecuted Declaration and Power of Attorney (4 pages).

The filing fee is calculated below:

| | Claims as Filed | Included in Basic Fee | Extra Claims | Rate | Fee Totals |
|---|--------------------|--------------------------|-----------------|-------------------|---------------|
| Basic Fee | | | | \$710.00 | \$710.00 |
| Total Claims: | 39 | - 20 | = 19 | x \$18.00 | = \$342.00 |
| Independents: | 7 | - 3 | = 4 | x \$80.00 | = \$320.00 |
| If any Multiple Dependent Claim(s) present: | | | | + \$270.00 | = \$270.00 |
| Surcharge under 37 CFR 1.16(e) for late filing of Executed Declaration and late payment of filing fee | | | | + \$130.00 | = \$130.00 |
| | | | | SUBTOTAL: | = \$1772.00 |
| [] Small Entity Fees Apply (subtract ½ of above): | | | | | = \$0.00 |
| | | | | TOTAL FILING FEE: | = \$1,772.00 |

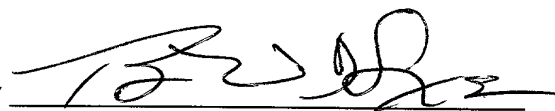
- [] A check in the amount of \$0.00 to cover the filing fee is enclosed.
- [X] The required filing fees are not enclosed but will be submitted in response to the Notice to File Missing Parts of Application.
- [] The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

Date April 3, 2001

By



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